



FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DKT NO. S4100-016 (43307.0020.9)		SERIAL NO. 10/764,349		
				APPLICANT Robert A. Miller, III		FILING DATE 1/23/04		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				GROUP				
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CL.	SUBCL.	FILING DATE IF APPROP.	
<i>W</i>	A	709,734	9/1902	Bellis				
<i>↑</i>	B	2,879,654	3/1959	Evans	66	176		
	C	3,806,959	4/1974	Gross	5	334 R		
	D	3,859,824	1/1975	Krylov et al.	66	10		
	E	3,930,387	1/1976	Imamura	66	190		
	F	3,986,374	10/1976	Fane	66	190		
	G	3,986,530	10/1976	Maekawa	139	425 R		
	H	4,158,292	6/1979	Ehedy et al.	66	190		
	I	4,199,633	4/1980	Blore	428	91		
	J	4,244,197	1/1981	Althammer	66	19		
	<i>W</i>	K	4,278,717	7/1981	Aoyama	428	36	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NO.	DATE	COUNTRY	CL.	SUBCL.	TRANSLATION	
<i>W</i>	1	EP546962 A1	01.12.91	Europe			YES	NO
							abstract	
OTHER DOCUMENTS (Incl. Author, Title, Date, Pertinent pages, etc.)								
EXAMINER <i>Ray Miller</i>					DATE CONSIDERED <i>9/27/04</i>			
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EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CL.	SUBCL.	FILING DATE IF APPROP.
<i>chu</i> ↑ ↓ <i>lm</i>	L	4,335,589	6/1982	Flasher	66	202	
	M	4,583,547	4/1986	Granek et al.	128	639	
	N	4,628,709	12/1986	Aeschbach et al.	66	9 R	
	O	4,639,545	1/1987	Pithouse et al.	174	36	
	P	4,672,825	6/1987	Yasukawa et al.	66	194	
	Q	4,729,377	3/1988	Granek et al.	128	639	
	R	4,753,088	6/1988	Harrison et al.	66	202	
	S	4,771,614	9/1988	Kemp	66	198	
	T	4,787,219	11/1988	Sato et al.	66	190	
	U	4,815,299	3/1989	Bryant	66	202	
	V	4,839,482	6/1989	Ackermann et al.	200	148 B	
	W	4,856,299	8/1989	Bryant	66	202	
X	4,921,751	5/1990	Wakahara et al.	428	229		

FOREIGN PATENT DOCUMENTS								
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							YES	NO

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EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CL.	SUBCL.	FILING DATE IF APPROP.
<i>uw</i>	Y	5,013,089	5/1991	Abu-Isa et al.	297	452	
<i>uw</i>	Z	5,023,430	6/1991	Brekkestran et al.	219	486	
<i>uw</i>	AA	5,105,067	4/1992	Brekkestran et al.	219	497	
<i>uw</i>	BB	5,147,714	9/1992	Ellison et al.	428	254	
<i>uw</i>	CC	5,151,319	9/1992	Schoutteten	428	257	
<i>uw</i>	DD	5,157,379	10/1992	Dennison	340	540	
<i>uw</i>	EE	5,229,181	7/1993	Daiber et al.	428	58	
<i>uw</i>	FF	5,310,590	5/1994	Tochacek et al.	428	102	
<i>uw</i>	GG	5,364,678	11/1994	Lumb et al.	428	96	
<i>uw</i>	HH	5,373,713	12/1994	Miller	66	196	
<i>uw</i>	II	5,382,466	1/1995	Ingham	428	219	
<i>uw</i>	JJ	5,395,684	3/1995	Robinson et al.	428	253	
<i>uw</i>	KK	5,422,153	6/1995	Miyamoto	428	95	

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EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CL.	SUBCL.	FILING DATE IF APPROP.
<i>Can</i> <i>M</i> <i>Y</i>	LL	5,472,769	12/1995	Goerz, Jr., et al.	428	138	
	MM	5,545,470	8/1996	Schuster et al.	428	229	
	NN	5,636,533	6/1997	Hunneke et al.	66	196	
	OO	5,641,560	6/1997	Schmidt et al.	428	220	
	PP	5,651,847	7/1997	Loeffler	156	71	
	QQ	5,735,145	4/1998	Pernick	66	196	
	RR	5,787,503	8/1998	Murphy, III	2	90	
	SS	5,962,349	10/1999	Mizukami et al.	442	311	
	TT	5,965,223	10/1999	Andrews et al.	428	34.5	
	UU	6,006,550	12/1999	Singh	66	13	
	VV	6,057,253	5/2000	Groshens	442	313	
	WW	6,089,051	7/2000	Gorywoda et al.	66	170	
	XX	6,089,052	7/2000	Riegger	66	195	
	YY	6,096,667	8/2000	Rhode	442	313	
	ZZ	6,105,401	8/2000	Chadeyron et al.	66	195	

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<i>un</i>	AAA	6,119,491	9/2000	Pinelli	66	177	
<i>un</i>	BBB	6,145,348	11/2000	Hardegree et al.	66	192	
	CCC	6,216,497	4/2001	Miyata et al.	66	202	
	DDD	6,281,150	8/2001	Groshens	442	314	
	EEE	6,289,702	9/2001	Heirbaut et al.	66	202	
	FFF	6,291,375	9/2001	Allen et al.	442	308	
	GGG	6,341,504	1/2002	Istook	66	172 E	
	HHH	6,367,290	4/2002	Kolmes et al.	66	172 R	
	III	6,381,482	4/2002	Jayaraman et al.	600	388	
	JJJ	6,397,641	6/2002	Roell	66	170	
<i>un</i>	KKK	6,407,016	6/2002	Van Steenlandt et al.	442	313	
	LLL	6,430,969	8/2002	Roell	66	170	

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	MMM	6,477,865	11/2002	Mastsumoto	66	195		
<i>W</i>	NNN	US2001/ 0022096 A1	9/2001	Orima	66	170		
<i>↑</i>	OOO	US2002/ 0102895 A1	8/2002	Willard	442	244		
	PPP	US2002/ 0134116 A1	9/2002	Sandbach	66	202		
	QQQ	US2002/ 0104355 A1	8/2002	Shirasaki et al.	66	196		
	RRR	US2002/ 0152776 A1	10/2002	Didier Laurent	66	196		
<i>↓</i>	SSS	US2002/ 0184927 A1	12/2002	Polegato Moretti	66	196		
<i>W</i>	TTT	US2003/ 0033838 A1	2/2003	Ikenaga et al.	66	196		
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